

Converting Colors

$Y_{xy}(72.1122, 0.3021, 0.5193)$

Have a look what the booklet for
Yxy(72.1122, 0.3021, 0.5193)
contains.

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Color

Yxy(72.0800, 0.3021, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	64FA68
RGB	100, 250, 104
RGB Percent	39%, 98%, 41%
CMY	0.6079, 0.0196, 0.5920
CMYK	0.60, 0.00, 0.58, 0.02
HSL	122°, 94%, 69%
HSV	122°, 60%, 98%
XYZ	41.9402, 72.0800, 24.8087
YIQ	188.5060, -42.5340, -77.2060

Conversions

Conversions Part 2

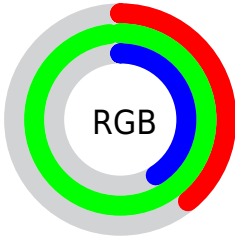
Format	Color
RYB	100, 246, 250
Decimal	6617704
CIELab	88.01, -67.65, 57.17
CIELCh	88, 88.569, 139.800
Yxy	72.0800, 0.3021, 0.5192
Android (android.graphics.Color)	4284807784 (0xFF64FA68)
YUV	188.5060, -41.6615, -77.6198
Hunter-Lab	84.8999, -60.3966, 42.1047

Details

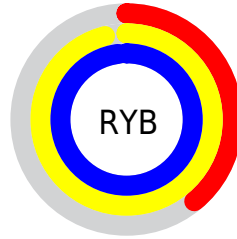
The Yxy color **72.0800, 0.3021, 0.5192** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **36.0877, 0.3230, 0.1923**, and the grayscale version is **50.8542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8097, 0.3096, 0.4434**, and **37.9210, 0.2917, 0.5700** is the 20% darker color. If you saturate the color by 10%, you get **70.4444, 0.3008, 0.5500**, and if you desaturate by 10%, it is **74.3013, 0.3037, 0.4847**.

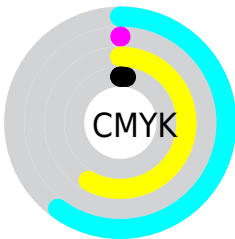
Distribution



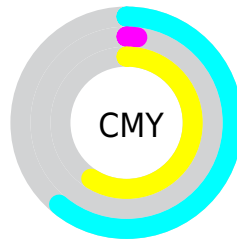
- Red (39%)
- Green (98%)
- Blue (41%)



- Red (39%)
- Yellow (96%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (2%)




- Cyan (61%)
- Magenta (2%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.0800, 0.3021, 0.5192 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 72.0800, 0.3021, 0.5192 by changing the saturation by 10% instead.


 72.0800, 0.3021,
0.5192


 72.0800, 0.3021,
0.5192


467.8200, 0.3129,
0.4240

 53.2240, 0.2979,
0.5421


 122.1703, 0.3072,
0.4851


 37.9816, 0.2916,
0.5706


 154.1733, 0.3088,
0.4721

 25.9684, 0.2821,
0.6068


 191.3276, 0.3100,
0.4611

 16.8000, 0.2670,
0.6533

 234.0174, 0.3109,
0.4515

 10.0920, 0.2428,
0.7157

282.6271, 0.3116,
0.4433

 5.4600, 0.2020,
0.7980

337.5412, 0.3121,

 2.5196, 0.0881,

0.4361

0.9119

399.1440, 0.3126,
0.4297

0.8864, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

72.0800, 0.3021,
0.5192

72.0800, 0.3021,
0.5192

70.4444, 0.3008,
0.5500

74.3013, 0.3037,
0.4847

69.3314, 0.3000,
0.5746

77.1467, 0.3056,
0.4492

68.6799, 0.2997,
0.5909


80.6617, 0.3075,
0.4147

68.3889, 0.2997,
0.5988

84.8851, 0.3094,
0.3829

 89.8527, 0.3111,
0.3542

 95.5979, 0.3127,
0.3290

 96.8541, 0.3129,
0.3242

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.0800, 0.3982, 0.5157



72.0800, 0.3021, 0.5192



72.0800, 0.2138, 0.4302

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0800, 0.3021, 0.5192



72.0800, 0.1574, 0.1842



72.0800, 0.4932, 0.3112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72.0800, 0.3021, 0.5192



36.0877, 0.3230, 0.1923

Split Complementary

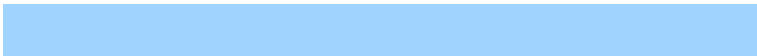
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.0800, 0.4029, 0.2488



72.0800, 0.3021, 0.5192



72.0800, 0.2070, 0.1793

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0800, 0.3021, 0.5192



72.0800, 0.1410, 0.2234



72.0800, 0.2929, 0.2022



72.0800, 0.5189, 0.3809

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0800, 0.3021, 0.5192



72.0800, 0.1722, 0.3468



72.0800, 0.2929, 0.2022



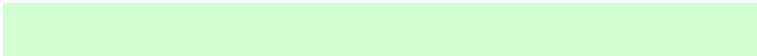
72.0800, 0.4688, 0.2892

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



72.0830, 0.3021, 0.5192



89.7600, 0.3097, 0.3769



89.1599, 0.3959, 0.4705



18.9104, 0.3092, 0.3857



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0830, 0.3021, 0.5192



73.4016, 0.3006, 0.5557



74.2769, 0.2704, 0.4235



19.3168, 0.3112, 0.3528



36.2774, 0.2995, 0.5983



3.3625, 0.2984, 0.5942

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



36.0877, 0.3230, 0.1923



32.7222, 0.3249, 0.1749



32.4345, 0.4062, 0.2559



17.5160, 0.3142, 0.3063



14.2245, 0.3278, 0.1579



1.3199, 0.3269, 0.1575

Previews

White Background



This preview shows how the Yxy color 72.0800, 0.3021, 0.5192 looks on a white background.

Color Contrast Check

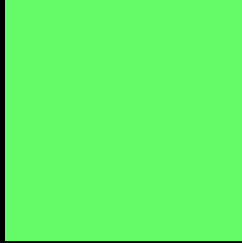
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 72.0800, 0.3021, 0.5192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.0800, 0.3021, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 72.0800, 0.3021, 0.5192.

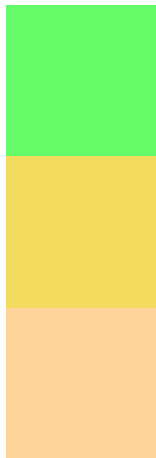


This preview shows how white text looks on a background with the Yxy color 72.0800, 0.3021, 0.5192.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72.0800, 0.3021, 0.5192

Protanopia

70.5439, 0.4127, 0.4523

Deuteranopia

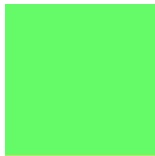
70.7135, 0.3877, 0.3878



Tritanopia

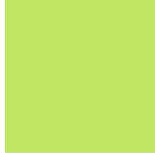
71.8067, 0.2467, 0.3067

Trichromacy



Original Color

72.0800, 0.3021, 0.5192



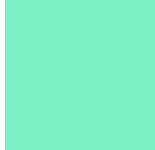
Protanomaly

68.5518, 0.3646, 0.4808



Deuteranomaly

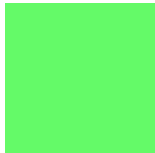
68.3124, 0.3514, 0.4349



Tritanomaly

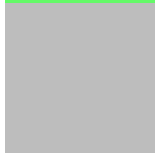
70.6547, 0.2678, 0.3812

Monochromacy



Original Color

72.0800, 0.3021, 0.5192



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

56.2253, 0.3087, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.0800, 0.3021, 0.5192 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(100, 250, 104)` looks like.

```
.text, #text, p{  
    color:rgb(100, 250, 104)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(100, 250, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 250, 104) }
```

Border

The CSS property to change the border of an element to Yxy 72.0800, 0.3021, 0.5192 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 250, 104) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(100, 250, 104) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(100, 250, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 250, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 250, 104); box-shadow:4px 4px 4px 4px rgb(100, 250, 104) }
```


Background

The CSS property to change the background color of an element to Yxy 72.0800, 0.3021, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 250, 104) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(100,  
250, 104) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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